

OUTDOOR UNIT



Description	Unit	TAD-ACWHODU-10IT	
		Condizionamento	Riscaldamento
Power supply	V/Ph/Hz	220-240/1/50	
Rated capacity (min.-max.) (EN14511)	kW	10,60 (2,60-12,00)	12,00 (3,00-14,00)
Power input nom. (min.-max.)	kW	2,95 (0,20-6,10)	3,20 (0,35-6,50)
Max current	A	13,0	15,0
Maximum power consumption	KW	6,50	
EER/COP (EN14511)		3,59	3,75
Pdesign	kW	10,6	10,5
SEER / SCOP average climate (heat-cool)*		7,2	4,2
Energy class *		A++	A+
Seasonal energy consumption	kWh/ annum	515	3500
Sound pressure O.U. (h.)	dB(A)	60	60
Sound power O.U. (h.)	dB(A)	70	
Compressor type		Twin rotary	
Refrigerant type/GWP		R32/675	
Refrigerant charge	kg/T.CO ₂ eq.	2,40/1,62	
Liquid pipe diameter	mm (inch)	6,35 (1/4")	
Gas pipe diameter	mm (inch)	9,52 (3/8")	
Minimum/maximum piping length with standard charge	m	3-40	
Maximum piping length with additional charge	m	80	
Additional gas charge	g/m	20	
Maximum height difference	m	15	
Net dimensions (H/W/D)	mm	826/1020/427	
Net weight	Kg	72	

OPERATING LIMITS (outdoor temperature)

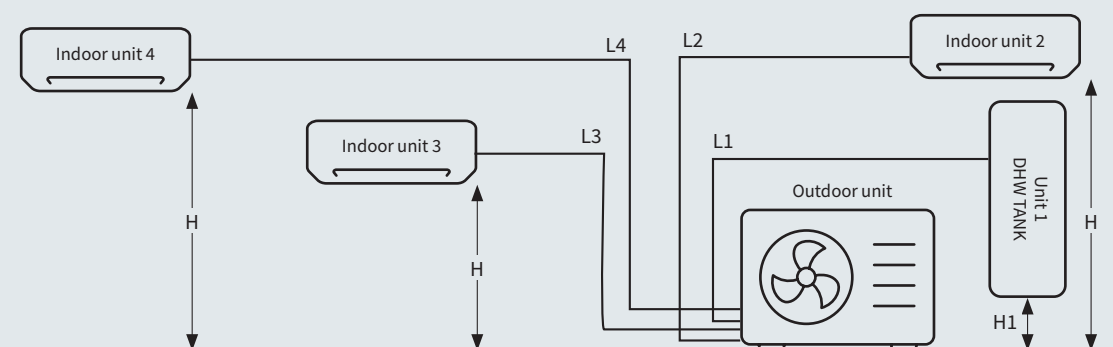
Cooling: from -15 °C to +43 °C - Heating: from -22 °C to +24 °C

ROOM TEMPERATURE SETTING RANGE: from 16 to 30 °C

*Data declared in compliance with EU Regulations No. 206/2012, on ecodesign requirements for air conditioners and comfort fans, and No. 626/2011, on energy labelling of air conditioners, and tested according to EN14825:2012.

LIMITS ON REFRIGERANT PIPING LENGTH AND HEIGHT DIFFERENCE

The refrigerant piping length between the indoor and outdoor unit must be as short as possible. The refrigerant piping length between the indoor and outdoor unit is also limited by the maximum height difference values between the units. When installing the refrigerant piping, keep both the length (L) and the height difference (H) to a minimum.



R32 REFRIGERANT QUANTITY

The table below shows the split and charge data.
A minimum length of 3 metres per single line is recommended.

Outdoor unit	Unit	TAD-ACWHODU-10IT
Refrigerant charge at shipment	kg	2,40
Liquid pipe diameter	mm (inch)	6,35 - 1/4"
Gas pipe diameter	mm (inch)	9,52 - 3/8"
Max. piping length with standard refrigerant charge	m	40
Additional refrigerant amount	g/m	20
Max. total piping length $L=L1+L2+L3+L4$	m	80
Max. single pipe length L1 (DHW tank)	m	15
Max. single pipe length L2, L3, L4	m	25
Max. height difference H1 (DHW tank and outdoor unit)	m	10
Max. height difference H (indoor and outdoor unit)	m	25

TANK

Description		Unit	TAD-ACWHIDU-200IT
DHW nominal capacity		kW	4,2
DHW nominal COP			4,56
Load profile			L
DHW temperature setting range		°C	35-55
Capacity		l	185
Connections to distribution box	Liquid pipe	mm	Ø 6,35
	Gas pipe	mm	Ø 9,52
Hydraulic connections	DHW inlet	inches	G1/2"
	DHW outlet	inches	G1/2"
	Drain	inches	G1/2"
Back-up electric heater		W	1500
Net dimensions	Width	mm	462
	Depth	mm	462
	Height	mm	2000
Net weight		kg	72,5

